

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently amended) A data communication method in a communication system, comprising:

transmitting and receiving speech and/or data by means of a mobile device of the communication system and by using a predetermined transmission resource,
determining the location of the mobile device of the communication system,
in response to the transmitting of speech and/or data using the predetermined resource, transmitting, with the speech and/or data, information about the location of the mobile device to a predetermined group of users by using the predetermined transmission resource, the mobile device including information regarding a method with which the location was determined with the location information ~~and the location information being unrelated to the speech or data transmitted by the predetermined transmission resource.~~

2. (Original) The method of claim 1, wherein the determining step further comprises: determining the location in the mobile device.

3. (Original) The method of claim 1, wherein the determining step further comprises: determining the location using a satellite positioning system.

4. (Original) The method of claim 1, further comprising: establishing a packet switched connection between the mobile device and a network element of the communication system as the predetermined transmission resource.

5. (Original) The method of claim 1, further comprising: transmitting information about the location in response to a command given by the user of the device.

6. (Original) The method of claim 1, further comprising:
 - detecting a change in the location of the mobile device;
 - transmitting information about the location on the basis of the detection.
7. (Previously presented) The method of claim 1, wherein the mobile device is participating in a group call.
8. (Original) The method of claim 7, wherein the predetermined group of users is participating in a group call.
9. (Original) The method of claim 1, wherein at least one user of the predetermined group of users receives the information about the location using a mobile device.
10. (Original) The method of claim 1, wherein at least one user of the predetermined group of users receives the information about the location by using a personal computer.
11. (Original) The method of claim 4, wherein at least one packet comprising information about the location replaces at least one speech or data packet.
12. (Original) The method of claim 4, wherein at least one packet comprising information about the location is transmitted among speech or data packets.
13. (Original) The method of claim 4, wherein each packet comprises information about whether it contains speech, data or information about the location of the mobile device.
14. (Original) The method of claim 1, wherein the information about the location of the mobile device is sent as a separate message.
15. (Original) The method of claim 7, further comprising:

detecting a pressing of a predetermined key of the mobile device,
activating speech transmission on the basis of the detection.

16. (Canceled)

17. (Original) The method of claim 15, further comprising:

transmitting information about the location of the mobile device in a predefined part
of the transmission.

18. (Original) The method of claim 1, further comprising:

receiving a location query from the system, and
determining and transmitting information about the location of the mobile device in
response to the query.

19. (Original) The method of claim 7, wherein

each device participating in the group call transmits information about its location to
a predetermined participant in the group call, and

the predetermined participant in the group call transmits the information about the
location of each device to all participants.

20. (Original) The method of claim 1, wherein the time when location was determined is
included in the location information.

21. (Canceled)

22. (Original) The method of claim 1, further comprising:

transmitting location information to a network server connected to the
communication system, and

storing location information in the network server.

23. (Original) The method of claim 1, wherein the location information is sent without intervention by the user of the device.

24. (Original) The method of claim 1, wherein the information about the location of the mobile device is used as input information for an application running in a mobile device or a computer.

25. (Currently amended) A data communication method in a communication system, comprising:

transmitting and receiving speech and/or data by means of a mobile device of the communication system and by using a predetermined transmission resource,

determining the location of the mobile device of the communication system, and
in response to the transmitting of speech and/or data using the predetermined resource, transmitting, with the speech and/or data, information about the location of the mobile device to a predetermined group of users by using the predetermined transmission resource taking predefined privacy levels assigned to predetermined groups or to users belonging to predetermined groups into account in the transmission of the information ~~and wherein the location information is unrelated to the speech or data transmitted by the predetermined transmission resource.~~

26. (Original) The method of claim 1, wherein transmission of location related information is triggered by an external event detected by a sensor of the mobile device.

27. (Original) The method of claim 1, wherein transmission of location related information is triggered by a voice command or a sound.

28. (Currently amended) A mobile device, comprising
determining means to determine the location of the mobile device,

means to include a method with which the location was determined in information about the location of the mobile device, and

transmitting means connected to the determining means to transmit speech and/or data by using a predetermined transmission resource and to transmit the information about the location of the mobile device in response to transmitting speech and/or data by using the same predetermined transmission resource, ~~wherein the information about the location of the mobile device is unrelated to the transmitted speech and/or data.~~

29. (Original) The mobile device of claim 28, further comprising means to establish a packet switched connection between the mobile device and a network element of a communication system as the predetermined transmission resource.

30. (Original) The mobile device of claim 28, further comprising means to determine the location of the mobile device using a satellite positioning system.

31. (Original) The mobile device of claim 28, further comprising means to determine the location of the mobile device using an inertia navigation arrangement.

32. (Original) The mobile device of claim 28, further comprising
a keyboard with at least one key,
means to detect a pressing of a predetermined key of the keyboard,
means to activate speech transmission on the basis of the detection.

33. (Canceled)

34. (Original) The mobile device of claim 28, wherein the transmitting means are configured to transmit information about the location of the mobile device in a predefined part of the transmission.

35. (Currently amended) A telecommunication system, comprising mobile devices and at least one network element, the system comprising

means to determine the location of a mobile device and for the mobile device to include a method with which the location of the mobile device was determined in information about the location of the mobile device,

transmitting means in the mobile device to transmit speech and /or data to the network element by using a predetermined transmission resource, and to transmit the information about the location of the mobile device by using the same predetermined transmission resource in response to transmitting speech and/or data, ~~wherein the information about the location of the mobile device is unrelated to the transmitted speech and/or data.~~

36. (Original) The system of claim 35, further comprising a network element configured to act as a group management server and at least two mobile devices configured to participate in a group call.

37. (Original) The system of claim 35, wherein the system comprises

mobile devices comprising a keyboard with at least one key, means to detect a pressing of a predetermined key of the keyboard, and means to signal a transmission request to the network element on the basis of the detection, wherein

the network element is configured to receive the request and allocate transmission turns between the mobile devices on the basis of the requests received from the mobile stations.

38. (Currently amended) A telecommunication system, comprising mobile devices and at least one network element, the system comprising

means to determine the location of a mobile device,

transmitting means in the mobile device to transmit speech and/or data to the network element by using a predetermined transmission resource, and to transmit

information about the location of the mobile device by using the same predetermined transmission ~~resources~~resource in response to transmitting speech and/or data, wherein predefined privacy levels assigned to predetermined groups or to users belonging to predetermined groups are taken into account in the transmission of information about the location of the mobile device, ~~wherein the information about the location of the mobile device is unrelated to the transmitted speech and/or data~~,

a network server configured to receive information about the location of the mobile device, and

a network server configured to store the information.

39. (Original) The system of claim 35, further comprising:

a network server configured to transmit location information relating to a mobile device to a group of other devices.

40. (Original) The system of claim 35, wherein

the time when the location was determined and the method with which the location was determined are included in the location information.

41. (Previously presented) A telecommunication system, comprising mobile devices and at least one network element, the system comprising:

means to determine the location of a mobile device,

transmitting means in the mobile device to transmit speech and/or data to the network element by using a predetermined transmission resource, and to transmit information about the location of the mobile device by using the same predetermined transmission resources, wherein predefined privacy levels assigned to predetermined groups or to users belonging to predetermined groups are taken into account in the transmission of information about the location of the mobile device,

a network server configured to receive information about the location of the mobile device,

a network server configured to store the information, and
a network server configured
to receive a location information request,
to send location information updated within a given time limit as a response
to the request,
and to request the updating of location information not updated within the
given time limit.

42. (Canceled)

43. (Currently amended) A computer program distribution medium readable by a computer and encoding a computer program of instructions for executing a computer process for data communication in a mobile device, the process comprising:

providing transmission and reception of speech and/or data by using a
predetermined transmission resource,
determining the location of the mobile device of the communication system,
including information regarding a method with which the location was determined
in information about the location of the mobile device in the mobile device, and
providing, with the speech or data, transmission of the information about the
location of the mobile device to a predetermined group of users by using the predetermined
transmission resource in response to transmitting speech and/or data, ~~wherein the
information about the location of the mobile device is unrelated to the transmitted speech or
data.~~

44. (Original) The computer program distribution medium of claim 43, the distribution medium comprising a computer readable medium, a program storage medium, a record medium, a computer readable memory, a computer readable software distribution package, a computer readable signal, a computer readable telecommunications signal, and a computer readable compressed software package.

45. (Currently amended) A computer program distribution medium readable by a computer and encoding a computer program of instructions for executing a computer process for data communication in a mobile device, the process comprising:

providing transmission and reception of speech and/or data by using a predetermined transmission resource,
determining the location of the mobile device of the communication system, and
providing, with the speech or data, transmission of information about the location of the mobile device to a predetermined group of users by using the predetermined transmission resource in response to transmitting speech and/or data taking predefined privacy levels assigned to predetermined groups or to users belonging to predetermined groups into account in the transmission of the information, ~~wherein the information about the location of the mobile device is unrelated to the transmitted speech or data.~~

46. (Currently amended) A telecommunication system, comprising mobile devices and at least one network element, the system comprising:

means to determine the location of a mobile device and to include a method with which the location was determined in location information,

transmitting means in the mobile device to transmit speech and/or data to the network element by using a predetermined transmission resource, and to transmit information about the location of the mobile device by using the same predetermined transmission resource resource in response to transmitting speech and/or data, ~~wherein the information about the location of the mobile device is unrelated to the transmitted speech and/or data~~, and

transmitting means in a network element to transmit, with the speech or data, information about the location of the mobile device to a predetermined group of users by using the predetermined transmission resource taking predefined privacy levels assigned to predetermined groups or to users belonging to predetermined groups into account in the transmission of the information.

47. (Currently amended) A mobile device, comprising:

means to determine timing information of received signals,

means to include a method with which the timing information was determined in the timing information, and

transmitting means connected to the determining means to transmit speech and/or data by using a predetermined transmission resource and to transmit timing information for a network based position system by using the same predetermined transmission resource in response to transmitting speech and/or data, ~~wherein the timing information is unrelated to the transmitted speech and/or data.~~